

**Chapter 8 Earthquakes and Earth's Interior****Section 8.3 Earthquake Hazards**

*This section discusses damage caused by earthquakes and explains how earthquakes are predicted.*

**Reading Strategy**

**Monitoring Your Understanding** Preview the Key Concepts, topic headings, vocabulary, and figures in this section. List two things you expect to learn. After reading, state what you learned about each item you listed. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

What I Expect to Learn	What I Learned
a.	b.
c.	d.



**Causes of Earthquake Damage**

1. What risk does liquefaction pose during an earthquake?

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2. Is the following sentence true or false? Most earthquakes generate tsunamis. \_\_\_\_\_
3.  The sinking of the ground caused by earthquake vibrations is called ground \_\_\_\_\_.
4.  During an earthquake, violent shaking can cause soil and rock on slopes to move, resulting in \_\_\_\_\_.

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5. Complete the table about tsunamis.

Tsunamis		
Definition	Causes	Areas Protected from Tsunamis by Warning System
	a.	
	b.	

**Reducing Earthquake Damage**

6. List three factors that affect the degree of damage that occurs to structures as a result of earthquakes.

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7. Circle the letter of the structure that is least likely to be damaged in a major earthquake.

- a. reinforced steel-frame building
- b. nonflexible wood-frame building
- c. unreinforced stone building
- d. unreinforced brick building

8. Is the following sentence true or false? Methods used to make short-range earthquake predictions have not been successful.

\_\_\_\_\_

9. Is the following sentence true or false? Scientists are able to make accurate long-term earthquake predictions based on their understanding of how earthquakes occur. \_\_\_\_\_

10. What do scientists call an area along a fault where no earthquake activity has occurred for a long time? \_\_\_\_\_